



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of Invention	Title IN SITU THERMAL PROCESSING OF A COAL FORMATION TO CONVERT A SELECTED TOTAL ORGANIC CARBON CONTENT INTO HYDROCARBON PRODUCTS																																																																																																														
<p>Application Number: 09/841194</p> <p>Confirmation Number: 4736</p> <p>First Named Applicant: Harold Vinegar</p> <p>Attorney Docket Number: 5659-06100</p> <p>Art Unit: 3672</p> <p>Examiner: George A Suchfield</p> <p>Search string: (1646599 or 3952802 or 4010800 or 3892270 or 3986556 or 4031956 or 4140180 or 4412585 or 4501326 or 4524827 or 4585066 or 4776638 or 4856587 or 5517593 or 5099918 or 5751895 or 6015015 or 6112808 or 3026940 or 3947683 or 3285335 or 3456721 or 2857002).pn.</p> <p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td>69</td><td>1</td><td>1646599</td><td>1927-10-25</td><td>Schaefer</td><td></td><td></td><td></td></tr><tr><td>1</td><td>2</td><td>3952802</td><td>1976-04-27</td><td>Terry</td><td></td><td></td><td></td></tr><tr><td></td><td>3</td><td>4010800</td><td>1977-03-08</td><td>Terry</td><td></td><td></td><td></td></tr><tr><td></td><td>4</td><td>3892270</td><td>1975-07-01</td><td>Lindquist</td><td></td><td></td><td></td></tr><tr><td></td><td>5</td><td>3986556</td><td>1976-10-19</td><td>Haynes</td><td></td><td></td><td></td></tr><tr><td></td><td>6</td><td>4031956</td><td>1977-06-28</td><td>Terry</td><td></td><td></td><td></td></tr><tr><td></td><td>7</td><td>4140180</td><td>1979-02-20</td><td>Bridges et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>8</td><td>4412585</td><td>1983-11-01</td><td>Bouck</td><td></td><td></td><td></td></tr><tr><td></td><td>9</td><td>4501326</td><td>1985-02-26</td><td>Edmunds</td><td></td><td></td><td></td></tr><tr><td></td><td>10</td><td>4524827</td><td>1985-06-25</td><td>Bridges et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>11</td><td>4585066</td><td>1986-04-29</td><td>Moore et al.</td><td></td><td></td><td></td></tr><tr><td>69</td><td>12</td><td>4776638</td><td>1988-10-11</td><td>Hahn</td><td></td><td></td><td></td></tr></tbody></table>								init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	69	1	1646599	1927-10-25	Schaefer				1	2	3952802	1976-04-27	Terry					3	4010800	1977-03-08	Terry					4	3892270	1975-07-01	Lindquist					5	3986556	1976-10-19	Haynes					6	4031956	1977-06-28	Terry					7	4140180	1979-02-20	Bridges et al.					8	4412585	1983-11-01	Bouck					9	4501326	1985-02-26	Edmunds					10	4524827	1985-06-25	Bridges et al.					11	4585066	1986-04-29	Moore et al.				69	12	4776638	1988-10-11	Hahn			
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Remarks

Note: Remarks are not for responding to an office action.

This IDS is part of a request for continued examination.

Signature

Examiner Name	Date
George Suchfield	12/1/03

Form PTO-1449 (modified)
List of Patents and Publications
For Applicant's Information
Disclosure Statement
(Use several sheets if necessary)

ATTY. DKT. NO. 5659-06100

SERIAL NO. 09/841,194

APPLICANT: Vinegar et al.

GROUP: 3672

FILING DATE: April 24, 2001

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
GS	T01	1836876	12/30/1994	SU			
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

GS	T02	Burnham, Alan, K. "Oil Shale Retorting Dependence of timing and composition on temperature and heating rate", January 27, 1995, (23 pages).
	T03	Burnham et al. "A Possible Mechanism of Alkene/Alkane Production in Oil Shale Retorting, (7 pages).
	T04	Campbell, et al., "Kinetics of oil generation from Colorado Oil Shale" IPC Business Press, Fuel, 1978, (3 pages).
	T05	Cummins et al. "Thermal Degradation of Green River Kerogen at 150° to 350 °C", Report of Investigations 7620, U.S. Government Printing Office, 1972, (pages 1-15).
	T06	Cook, et al. "The Composition of Green River Shale Oils", United Nations Symposium on the Development and Utilization of Oil Shale Resources, Tallinn, 1968, (pages 1-23).
	T07	Hill et al., "The Characteristics of a Low Temperature in situ Shale Oil" American Institute of Mining, Metallurgical & Petroleum Engineers, 1967 (pages 75-90)..
	T08	Dinneen, et al. "Developments in Technology for Green River Oil Shale" United Nations Symposium on the Development and Utilization of Oil Shale Resources, Tallinn, 1968, (pages 1-20).
	T09	De Rouffignac, E. "In Situ Resistive Heating of Oil Shale for Oil Production-A Summary of the Swedish Data, (4 pages).
	T10	Dougan, et al. "The Potential for in situ Retorting of Oil Shale in the Piceance Creek Basin of Northwestern Colorado", Quarterly of the Colorado School of Mines (pages 57-72).
	T11	Hill et al. "Direct Production of Low Pour Point High Gravity Shale Oil" I&EC Product Research and Development, 1967, Volume 6, (pages 52-59).
GS	T12	Yen et al., "Oil Shale" Developments in Petroleum Science, 5, Elsevier Scientific Publishing Co., 1976 (pages 187-198).

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George Suchfield

DATE CONSIDERED:

12/1/03

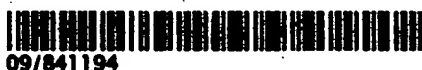
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Electronic Information Disclosure Statement

IN SITU THERMAL PROCESSING OF A COAL FORMATION TO CONVERT A SELECTED TOTAL ORGANIC CARBON CONTENT INTO HYDROCARBON PRODUCTS

Application:



09/841194

Confirmation: 4736

Applicant(s): Harold Vinegar

Docket
Number: 5659-06100

Group Art
Unit:

Examiner: Suchfield, G.

search string: (4193451 or 4265307 or 4390067 or 4456065 or 4457374 or 4479541 or 4498535 or 4598770 or 4669542 or 4682652 or 4982786 or 5201219 or 5339904 or 3349845 or 5126037 or 3477058 or 3580987).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

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67	P28	3580987	1971-05-25		Priaroggia

Signature

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George Suchfield	12/1/03